BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Asphalting at Pipeline Road Lift Side Other Roads in Mallasandra W-13 Shettyhalli Sub Division

DETAILED PROJECT REPORT

Project Cost – 50.00 Lakhs

Dasarahalli Zone
BBMP Bangalore

SRI SAI CONSULTANTS
No.366, 12th Cross
Athmiya Geleyara Balaga Layout,
Hesaraghatta Main Road,
Bangalore North 560090
Email: srisaiconsultants123@gmail.com

Photo:8.1.1 Proposed Overlaying BC Road

Photo:8.1.2 Proposed Overlaying BC Road

BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of work:Improvements to Roads and Asphalting at Pipeline Road Lift Side Other Roads in Mallasandra W-13 Shettyhalli Sub Division

JOB NUMBER.: SI-4 **Est. Amount =** 50.00 Lakhs

Sl. No		Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
1	Removing and resetting of footpath slab (Page No-265 Item no - 37.6 of KPWD SR 2016-17)..								
	Santhosh nagara	Sqm	2	100.00	0.90		180.00		
	shrashanth nagara		2	300.00	0.90		540.00		
	Damaged Cover Slab		1	34.00	0.90		30.60		
						Total Qty	689.40	132.50	91345.50
2	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete asper specifications. MORTH/Chapter 3 (Page No-142 Item no - 19.1 of KPWD SR 2016-17)..								
	Santhosh nagara	Cum	2	100.00	0.50	0.45	45.00		
	shrashanth nagara		2	300.00	0.50	0.45	135.00		
						Total Qty	180.00	170.92	30765.60
3	Providing and laying pre-cast drain cover slab of 100mm thickness in CM1:3 including cost of all materials,labour,curing, transportation, loading, unloading etc.,as per doiirections of the Enineer-in-charge. {Data Rate sheet enclosed}								
	Cover Slab	Sqm	1	34.00	0.90		30.60		
						Total Qty	30.60	1957.00	59884.20
4	KSRRB M300-14. Excavation for roadwork in ail types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers,trimming bottom and side slopes, in accordance with requirements of lines,grades and cross sections, and transporting to the embankment locationto a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 (Page No-143 Item no - 19.14 of KPWD SR 2016-17)..								
	Pipeline Road Lift Side								
	Pipeline Cutting	Cum	1	981.00	1.00	0.30	294.30		
						Total Qty	294.30	132.76	39071.27
5	KSRRB 300-67. Extra for rolling lo specification with power roller when earth is at suitable moisture content with desired field density not less than 95% of maximum dry density (ordinary proctor test) including HOM ofmachineries complete as per specifications. MORTH / Chapter 3 (Page No-150 Item no - 19.75 of KPWD SR 2016-17).								
	Pipeline Road Lift Side								
	Pipeline Cutting	Cum	1	981.00	1.00	0.30	294.30		
						Total Qty	294.30	8.48	2495.66
6	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap I basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve thedesired density complete as per specifications. MORTH Specification No. 406 (Page No-158 Item no - 20.18 of KPWD SR 2016-17).								
	Pipeline Road Lift Side								
	Pipeline Cutting	Cum	1	981.00	1.00	0.24	235.44		

Sl. No		Unit	No	Dimension			Quantity	Rate	Amount
				L	B	D		in Rs.	in Rs.
7	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg I sqm using mechanical means complete as per specifications.MORTH Specification No. 502 (Page No-161 Item no - 21.6 of KPWD SR 2016-17).								
	Pipeline Road Lift Side								
	Pipeline Cutting	Sqm	1	981.00	1.00		981.00		
	Camber Correction		1	981.00	2.50		2452.50		
						Total Qty	**3433.50**	**27.56**	**94627.26**
8	KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mixformula for base / binding course including loading of aggregates withF.E. loader, hot mixing of stone aggregates and bitumen in hot mixplant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer/ tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications.(Page No-162 Item no - 21.11.6 of KPWD SR 2016-17).								
	Pipeline Road Lift Side								
	Pipeline Cutting	Cum	1	981.00	1.00	0.05	49.05		
	Camber Correction		1	981.00	2.50	0.04	98.10		
						Total Qty	**147.15**	**5237.46**	**770692.24**
9	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501 (Page No-161 Item no - 21.2 of KPWD SR 2016-17).								
	Pipeline Road Lift Side								
		Sqm	1	981.00	2.50		2452.50		
						Total Qty	**2452.50**	**3.18**	**7798.95**
10	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH (Page No-161 Item no - 21.7 of KPWD SR 2016-17).								
	Pipeline Road Lift Side	Sqm	1	981.00	9.00		8829.00		
						Total Qty	**8829.00**	**11.66**	**102946.14**
11	KSRRB M500-19. Providing and laying bituminous concrete with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site,laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achievethe desired compaction as per MORTH specification clause No. 500.9complete in all respects complete as per specifications.MOFtTH Specification No. 509 (Page No-165 Item no - 21.22.6 of KPWD SR 2016-17).								
	Pipeline Road Lift Side	Cum	1	981.00	9.00	0.04	353.16		
						Total Qty	**353.16**	**7270.54**	**2567663.91**
12	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface - Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sq.m. area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC :35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. (Page No,-185, I.No.-24.15 of KPWD S.R 2016-17).								
	Edge Lane								
	Side	Sqm	2	981.00	0.15		294.30		
	Middle		1	490.50	0.15		73.58		
						Total Qty	**367.88**	**542.72**	**199653.12**
13	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces,with materials, labour complete as per specifications.(Page No,-182, I.No.-24.1 of KPWD S.R 2016-17).								
	Kerb Painting	Sqm	2	981.00		0.35	686.70		
						Total Qty	**686.70**	**63.60**	**43674.12**

Sl. No		Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
								Sub Total	49,95,750.69
								Miscellaneous & Rounding Off	4,249.31
								Grand Total	50,00,000.00

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17
4. The provisions made in the estimate are necessary and essential.

Assistant Engineer
Ward No.13
BBMP - Bangalore

Assistant Executive Engineer
Shettyhalli Sub-Division
BBMP - Bangalore

Executive Engineer
Dasarahalli
BBMP - Bangalore

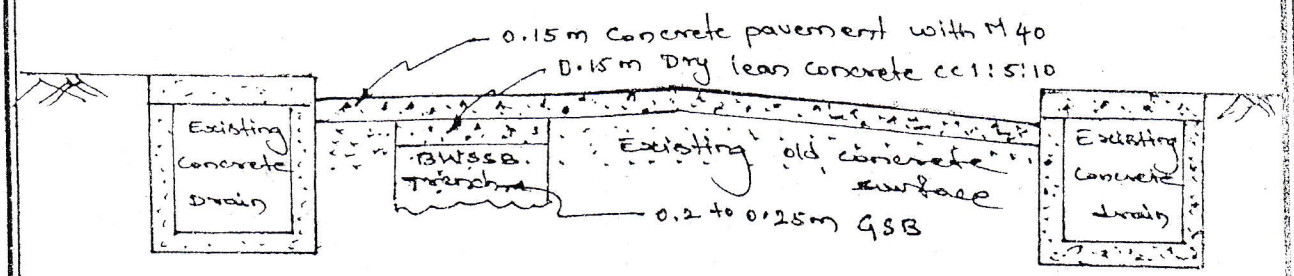
ಸಂ.EE/DD/AS/603 ದಿನಾಂಕ : 5/12/17
17-18
ರೂ. fifty lakhs only
(50.00)
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

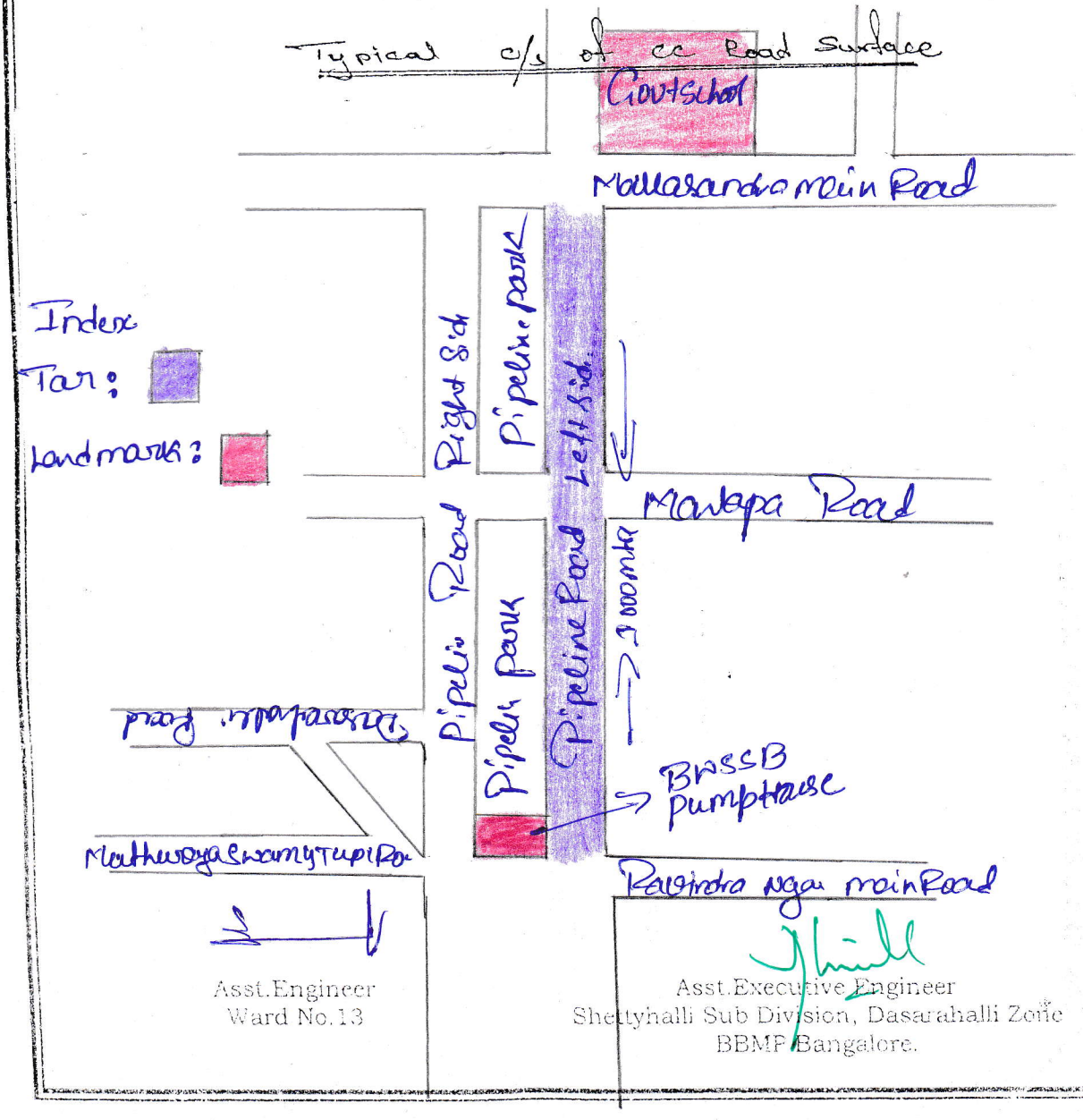
ಸಂ: CE/TS/308/17-18 ದಿನಾಂಕ : 08/12/2017
ರೂ. Rs. 50.00 (Lakhs only)

ಈ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ

Name of Work: Improvements to Roads and Asphalting at pipeline Road Left side other Roads in mallasandra W-13 shettyhalli sub Division



Typical c/s of cc Road Surface



Asst.Engineer
Ward No.13

Asst.Executive Engineer
Shettyhalli Sub Division, Dasarahalli Zone
BBMP Bangalore.